





Jiang, D.  
09/19/04 462  
seq. 10 148

GenCore version 4.5  
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tein - protein search, using sw model

August 20, 2002, 12:57:10, Search time 32.8 seconds  
(without alignments)  
1175.079 Million cell updates/sec

US-09-904-462a-148

1947

1 MALLFSLILALCTPGLAS

ing table: BLOSUM62

Gapop 10.0, Gapext 0.5

747574 seqs, 111073796 residues

al number of hits satisfying chosen parameters: 747574

Minimum DB seq length: 0

Minimum DB seq length: 2000000000

Maximum Match 0%

Listing first 45 summaries

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Pred. NC. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1947	100.0	347	20	AAV13369
2	1947	100.0	347	22	AAH80237
3	1943	99.8	347	19	AAW68200
4	1939	99.6	347	19	AAW64537
5	721	37.0	1785	19	AAW64591
6	719	36.9	422	22	AAE09446
7	695	35.7	552	22	AAE09447
8	691.5	35.5	1453	22	AAH66037
9	690	35.4	1319	22	AAH66040
10	690	35.4	1413	22	AAH66039
11	686	35.2	1121	22	AAH39493

12	686	35.2	1124	22	AAH41279
13	686	35.2	1124	22	AAH41280
14	686	35.2	1154	22	AAH39494
15	680	34.9	1120	22	AAU00396
16	669	34.4	821	22	AAU27709
17	663	34.1	1436	22	AAH60088
18	643	33.0	822	20	AAW99087
19	643	33.0	875	20	AAW83361
20	632	32.5	761	20	AAW99088
21	632	32.5	761	20	AAW83362
22	582.5	29.9	1290	18	AAWU7609
23	532.5	27.3	608	22	AAE11936
24	514	26.4	147	22	ABH12145
25	480	24.7	753	21	ABH00073
26	480	24.7	753	21	ABH00073
27	478.5	24.6	573	21	AAH49534
28	475	24.4	666	19	AAW64590
29	473	24.3	641	21	AAH12307
30	472	24.2	732	22	AAE11927
31	472	24.2	732	22	AAE11935
32	470.5	24.2	769	22	AAE11940
33	463.5	23.8	754	21	AAH00078
34	453.5	23.3	774	21	AAH00077
35	452	23.2	757	21	AAH19127
36	446.5	22.9	1186	22	ABH60992
37	435	22.3	408	21	AAH51785
38	435	22.3	443	21	AAH72125
39	435	22.3	443	21	AAH49549
40	426.5	21.9	392	21	AAH51784
41	406.5	20.9	186	22	AAH25385
42	345.5	17.7	225	22	AAH25317
43	319	16.4	180	21	AAH54244
44	315.5	16.2	136	22	AAH73568
45	305.5	15.7	511	22	ABH60018

## ALIGNMENTS

RESULT	1
AAV13369	AAV13369 standard; Protein: 347 AA.
10	AAV13369
AC	AAV13369,
XX	25-JUN-1999 (first entry)
DT	Amino acid sequence of protein P40229.
XX	Secreted protein; transmembrane protein; human; enterocolitis; collagen-III deficiency; gastrointestinal ulceration; congenital microvillus atrophy; skin disease; cell growth; abnormal keratinocyte differentiation; psoriasis; epithelial cancer; Parkinson's disease; Alzheimer's disease; ALS; neuropathy; fibromodulin; dermal scarring; Usher Syndrome; Atrophica areata; anti-thrombotic; wound healing; tissue repair.
DE	Homo sapiens.
XX	XX
PN	WC09914328-A2.
XX	25-MAR-1999.
PD	16-SEP-1998; 98WO-US19330.
XX	25-NOV-1997; 97US-0066840
PR	17-SEP-1997; 97US-0059113.
PR	17-SEP-1997; 97US-0059115.
PR	17-SEP-1997; 97US-0059117.
PR	17-SEP-1997; 97US-0059119.
PR	17-SEP-1997; 97US-0059121.
PR	17-SEP-1997; 97US-0059122.
PR	17-SEP-1997; 97US-0059184.

Human polypeptide  
Human polypeptide  
Human polypeptide  
Human secreted pro  
Human full-length  
Bovine WCL protein  
Human serine prote  
Human neurotrypsin  
Mouse serine prote  
Mouse neurotrypsin  
Rat von Ebner's gl  
Human CG153 (or C5  
Human liver cell p  
Human lysyl oxida  
Amino acid sequenc  
Clone HOHC84 #1.  
Human SRCR protein  
Human secreted pro  
Human CG153 (or C5  
Human CG153 (or C5  
Human lipid metabo  
Murine lysyl oxida  
Human lysyl oxida  
Polypeptide isolat  
Drosophila melanog  
Human secreted pro  
Peptide fragment #  
Protein fragment:  
Gene 15 human secr  
Human protein sequ  
Human protein sequ  
Human pancreatic c  
Human colon cancer  
Drosophila melanog

18-SEP-1997, 97US-0059263.  
18-SEP-1997, 97US-0059266.  
15-OCT-1997, 97US-0062125.  
17-OCT-1997, 97US-0062285.  
17-OCT-1997, 97US-0062287.  
21-OCT-1997, 97US-0063485.  
24-OCT-1997, 97US-0062814.  
24-OCT-1997, 97US-0063415.  
24-OCT-1997, 97US-0063045.  
24-OCT-1997, 97US-0063120.  
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24-OCT-1997, 97US-0063128.  
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28-OCT-1997, 97US-0063542.  
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12-NOV-1997, 97US-0065185.  
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24-NOV-1997, 97US-0066446.  
24-NOV-1997, 97US-0066570.  
24-NOV-1997, 97US-0066511.  
24-NOV-1997, 97US-0066453.  
(GETH ) GENENTECH INC.

Chen J, Goddard A, Gurney AL, Pennica D, Wood WI, Yuan J;

WPI: 1999-229533/19.  
N-PSDP: AAX52240

New isolated human genes and polypeptides used in, e.g. treatment of gastrointestinal ulceration

Claim 12: Fig 54: 320pp: English.

AA13344-403 represent secreted and transmembrane human proteins. The cDNA sequences are obtained from cDNA libraries, prepared from fetal lung, fetal kidney, fetal brain, liver and fetal retina. The encoded polypeptides have specific uses based on their homology to known polypeptides. e.g. P0261 and P0262 can be used for disorders associated with the preservation and maintenance of gastrointestinal mucosa and the repair of acute and chronic mucosal lesions. e.g. P0263, P0264 and P0265 (including P0265a, P0265b, P0265c, P0265d, P0265e, P0265f, P0265g, P0265h, P0265i, P0265j, P0265k, P0265l, P0265m, P0265n, P0265o, P0265p, P0265q, P0265r, P0265s, P0265t, P0265u, P0265v, P0265w, P0265x, P0265y, P0265z) can be used for the treatment of ulceration and congenital mucoviscidrosis (e.g. P0265a, P0265b, P0265c, P0265d, P0265e, P0265f, P0265g, P0265h, P0265i, P0265j, P0265k, P0265l, P0265m, P0265n, P0265o, P0265p, P0265q, P0265r, P0265s, P0265t, P0265u, P0265v, P0265w, P0265x, P0265y, P0265z). e.g. P0266 can be used as a target for anti-tumor drugs. P0266 may be used in the treatment of Ulcer Syndrome or Atrophic Arteritis. P0269 can be used as an anti-thrombotic agent. P0267 polypeptides and portions may have

CC therapeutic applications in wound healing and tissue repair; P0317 can be used for treating problems of the kidney, uterus, endometrium, blood vessels, or related tissue, e.g. in the heart of genital tract.  
XX  
SQ Sequence 347 AA;

Query Match 100.0%, Score 1947, DB 20, Length 347;  
Best Local Similarity 100.0%, Pred No. 14e-153;  
Matches 347; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MALLFSLILACTIPPTAFSPQVPLVDSGHPCHSPVEVECFKQWSTVCHDGDVAV 60  
DB 1 mallfslilactipptafspqvpvlvdsghpchs pvevecfkq wstvc h dgdvav 60  
QY 61 LTRFLDGNASNSHLSGTHYEPFAEFKQVLIQSVCTGTTLTAQCEVEYDCSHDEDA 120  
DB 61 ltrfldgnasns hls gth yep f aef k q v l i q s v c t g t t l t a q c e v e y d c s h d e d a 120  
QY 121 GASCEPSESPSYTEGVFLADPGCHCKGKGFVEVHKQWTVCCOTGWSLFAAKVYCRQLG 180  
DB 121 gascepsesp sytegvfladpgchckgk g fvev h k q w t v c c o t g w s l f a a k v y c r q l g 180  
QY 181 GSPAVLQKPKANKHAYHFFPIWLSWMSQSPREATLQCPSPGKNTCNHDEDTWVECED 240  
DB 181 gspavlqk p k a n k h a y h f f p i w l s w m s q s p r e a t l q c p s p g k n t c n h d e d t w v e c e d 240  
QY 241 PFGLPLVSGINDVSGSFLVHLKGVWSSVQDENWGEKEDQVVCQKLSLSPSPSPKPK 300  
DB 241 pfglplvsg indvsgs flvhlk g v w s s v q d e n w g e k e d q v v c q k l s l s p s p k p k 300  
QY 301 YGPGVPTWITINVPSCGSEFQSLFQCHPFGFCHDTHOEDVAVTCV 347  
DB 301 ygpgvptw i t i n v p s c g s e f q s l f q c h p f g f c h d t h o e d v a v t c v 347

RESULT 2

AA80237 AAB80237 standard; Protein: 347 AA.

XX AC AAB80237;

XX XX 24-APR-2001 (first entry)

XX DE Human PRO229 protein.

XX KW Human; P02; dermatological, antipsoriatic, cytostatic; antiinflammatory;  
XX KW antiparkinsonian neurotropic, neuroprotective; vulvovaginal, cardiac,  
XX KW antiangiogenic; vasodilator; antiasthmatic; antirheumatic; cancer;  
XX KW antiarthritic; antifertility; antidiabetic; antiviral; diabetes;  
XX KW epithelium; gene therapy, skin disease, gastrointestinal disorder,  
XX KW ischaemia; inflammation.

OS Homo sapiens.

XX XX WQ200104311-AL.

XX PD 18-JAN-2001.

XX XX 24-APR-2001 (first entry)

XX PK 07-JUL-1999; 99US-0143048.

XX PK 26-MAR-1999; 99US-0145698.

XX PK 24-MAR-1999; 99US-0145698.

XX PK 08-SEP-1999; 99US-020594.

XX PK 13-SEP-1999; 99US-020944.

XX PK 15-SEP-1999; 99US-021090.

XX PK 15-SEP-1999; 99US-021547.

XX PK 05-OCT-1999; 99US-024089.

XX PK 29-NOV-1999; 99US-028214.

XX PK 30-NOV-1999; 99US-028313.

XX PK 16-DEC-1999; 99US-030095.

XX PK 20-DEC-1999; 99US-030911.

GenCore version 4.5  
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protein search, using sw model

August 20, 2002, 12:57:45, Search time 13.07 seconds  
(without alignments)  
648.454 Million cell updates/sec

US-09-904-462a-148

Score: 1947

Accession: 1 MALLFSILALICRPGPIAS RFWGPHDCTHQRDVAVICSV 347

Gaping table: BLOSUM62

Gaping table: Gapop 10.0, Gapext 0.5

Residues: 231628 seqs, 24425594 residues

Number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 6: /cgn2.6/ptodata/2/1aa/backfiles1.pep.\*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	586	30.1	102	3	US-09-034-916-5
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6	553	28.4	101	3	US-09-034-916-3
7	480	24.7	753	4	US-09-276-400-2
8	480	24.7	753	4	US-09-448-076-2
9	475	24.4	666	4	US-09-341-587-1
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15	282	14.5	100	3	US-09-034-916-17
16	279	14.3	100	3	US-09-034-916-10
17	266	13.7	100	3	US-09-034-916-11
18	260.5	13.4	495	2	US-08-794-795-2
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22	258.5	13.3	451	1	US-08-154-365-2
23	254.5	13.1	101	3	US-09-034-916-9
24	252.5	13.0	451	1	US-08-453-117-2
25	252.5	13.0	451	2	US-08-948-232-2
26	252.5	13.0	451	2	US-08-948-145-2
27	252.5	13.0	451	4	US-09-276-400-10

28	252.5	13.0	451	4	US-09-448-076-10
29	252.5	13.0	451	5	PT-US94-08081-2
30	251	12.9	101	4	US-09-518-046-15
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32	247.5	12.7	489	4	US-09-249-200-7
33	247.5	12.7	518	1	US-08-392-367B-2
34	247.5	12.7	518	3	US-08-893-467A-2
35	247	12.7	101	4	US-09-518-046-16
36	246	12.6	453	6	5510466-4
37	229.5	11.8	95	3	US-09-034-916-7
38	216	11.1	585	1	US-08-477-674-10
39	216	11.1	585	1	US-08-473-791-10
40	216	11.1	585	2	US-08-316-714-10
41	216	11.1	585	3	US-08-473-673-10
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43	205.5	10.6	100	3	US-09-034-916-12
44	193.5	9.9	349	3	US-08-630-172-6
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ALIGNMENTS

RESULT 1  
US-09-034-916-2  
Sequence 2: Application US/09034916  
Patent No. 6046314

GENERAL INFORMATION:  
APPLICANT: GEBE, JOHN A.  
APPLICANT: SIADAK, ANTHONY W.  
APPLICANT: APUFFO, ALEJANDRO A.  
TITLE OF INVENTION: SPALPHA, A NOVEL SCAVENGER RECEPTOR  
TITLE OF INVENTION: CYSTEINE-RICH DOMAIN-CONTAINING POLYPEPTIDE AND MONOCLONAL ANTIBODIES THERETO  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ROBINS & ASSOCIATES  
STREET: 90 MIDDLEFIELD ROAD, SUITE 200  
CITY: MENLO PARK  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94025

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/034,916  
FILING DATE: 04-MAR-1998  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/039,956  
FILING DATE: 06-MAR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: ROBINS, ROBERTA L.  
REGISTRATION NUMBER: 33,208  
REFERENCE/INVENTOR NUMBER: 5,448,00020  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 325-7812  
TELEFAX: (650) 325-7823  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 346 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-034-916-2

Query Match: 99.5%, Score 1938, DB 3, Length 346;  
Best Local Similarity: 100%, P-Val No. 2 7e-177;  
Matches 445, Conservative 0, Mismatches 0; Indels 0; Gaps 0;

